



A.D. 1871, 13th DECEMBER. N^o 3380.

S P E C I F I C A T I O N

OF

JOHN CUNNINGTON.

APPARATUS FOR DISCHARGING SEWAGE, &c.

LONDON:

PRINTED BY GEORGE F. EYRE AND WILLIAM SPOTTISWOODE,

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1872.



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Apparatus for Discharging Sewage, &c.

(This Invention received Provisional Protection only.)

PROVISIONAL SPECIFICATION left by John Cunnington at the Office of the Commissioners of Patents, with his Petition, on the 13th December 1871.

I, JOHN CUNNINGTON, of Oakley Square, St. Pancras, in the County
5 of Middlesex, do hereby declare the nature of the said Invention for
“IMPROVEMENTS IN APPARATUS FOR ENSURING THE PROPER DISCHARGE OF SEWAGE
MATTERS FROM DWELLING HOUSES AND OTHER BUILDINGS, AND FOR PREVENTING THE
RETURN OF SEWER GASES, AND THE ENTRANCE OF VERMIN INTO THE SAME,” to
be as follows:—

- 10 The said Invention relates to providing dwelling houses and other
buildings with apparatus which will insure the complete discharge
therefrom of all sewage matters and the cleansing of the discharge pipes
or drains, and which will also afford effectual protection against the
return of gases or effluvia, or the entrance of rats and other vermin
15 from the drains.

In practising my said Invention I place in connection with the main
drain or sewer a pipe with a single or double syphon, in such a position

Cunnington's Improvements in Apparatus for Discharging Sewage, &c.

as to intercept and cut off from the house or other building any gases emanating from the sewers or drains.

The said pipe may be constructed of metal, glass, or earthenware, and of any suitable diameter. On the top of one of the bends of the syphon and opening into the same I place an outlet or escape pipe to 5 carry off any gas or stench not intercepted by the syphons. This pipe is extended upward to open into the atmosphere at a safe distance above the ground, or is arranged to pass the gas through animal or vegetable charcoal or other deodorizing material.

The aforesaid syphons are formed in the pipe, or are connected 10 therewith by joints which are not accessible to or are proof against rats or other vermin with which sewers and drains are ordinarily infested. And as the said syphons and pipes are formed of materials through which they cannot penetrate there will be no possibility of such vermin making their way from the sewers into the house, or making apertures 15 in the pipes, syphons, or joints through which the sewage matters or gases could escape.

In connection with the aforesaid syphon pipes I arrange at or near the highest point of the water supply a flushing cistern or vessel provided with a cock or other contrivances, whereby I can at any time 20 rapidly discharge the contents of such cistern or vessel into the said pipes and drains.

By this means I keep all parts of the pipes and drains free from any accumulation of sewage matter, and thereby still further ensure the health and comfort of the inmates of the house or other building to 25 which my Invention is applied.

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